



State of Ohio Environmental Protection Agency

**Northeast District Office**

2110 E. Aurora Road  
Twinsburg, Ohio 44087-1969  
(216) 425-9171  
FAX (216) 487-0769

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OCT 8 1993

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George V. Voinovich  
Governor

John J. Schuchman  
Director

SITE ASSESSMENT SECTION

September 30, 1993

RE: OHIO EPA SUBMITTAL OF  
PRELIMINARY ASSESSMENT  
FOR SANDY SUPPLY  
CERCLA # NOT ASSIGNED

US EPA RECORDS CENTER REGION 5



460274

Ms. Jeanne Griffin  
USEPA - Region V  
77 West Jackson Blvd.  
Chicago, IL 60604

Dear Ms. Griffin:

The Ohio EPA Northeast District Office (NEDO) Division of Emergency and Remedial Response (DERR) has completed the USEPA Preliminary Assessment listed above for FFY93. Ohio EPA recommends a high priority for FIT activity.

If you have any questions please call Bob Princic at (216) 963-1230 or me at (216) 963-1219.

Sincerely,

Michael D. Witwer  
Division of Emergency and Remedial Response

enclosures

MDW.wk

cc: Rod Beals, DERR, NEDO  
Bob Princic, DERR, NEDO  
Laura Fay, DERR, CO

JK H  
JG

Region V RISE Information Form

DATE: 1/3/94

OSC/phone# Steve Renninger 216-522-7260

SAM/phone# Jeanne Guffey 886-3007

State Contact/phone# Rod Beals NEDO 216/425-9171

Other Contacts:

Who reported site: OEPA PA dated 9/29/93

Site Name: Sandy Supply Co

Need CERCLIS ID No.: none assigned

Need Site Specific Spill ID No.:

Site Location: (address/city/county/state)

636 Kenrow Ave  
Wooster, Wayne Co, OH

Site Owner Name and phone#

Operation Status: Active ☒ Inactive ☐

Site Description: See PA

Type of Operation and Wastes: See PA

Suspect Resource Damage: Y N (If yes, list DNR, USFW Contact)

Anticipate Site Recon/Sampling Date: Priority: (High) Low

Site Assessment Involvement: Y N Integrated Assessment: Y N

Remediation Decision (TC, NTC, NPL) Date of Decision:

Prepared by: J Guffey Date: 1/3/94

(REV.1 8/93) J Guffey 1/18/94

State did removal 10/1/91

**PRELIMINARY ASSESSMENT  
THE SANDY SUPPLY COMPANY  
WOOSTER, OHIO 44691  
WAYNE COUNTY**

**Ohio Environmental Protection Agency  
Division of Emergency and Remedial Response**

**September 29, 1993**

**Prepared by**

**Michael Witwer  
Environmental Engineer**

**Reviewed by**

**Bob Princic  
Environmental Supervisor**

**Approved by**

**Rod Beals  
Environmental Manager**

Date: September 29, 1993

Prepared by: Michael Witwer, Environmental Engineer  
Ohio Environmental Protection Agency  
Division of Emergency and Remedial Response  
Northeast District Office

Site: The Sandy Supply Company of Wooster  
636 Kemrow Ave.  
Wooster, Ohio 44691  
Wayne County

## **1. INTRODUCTION**

Under authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Ohio Environmental Protection Agency (EPA), Northeast District Office, conducted a Preliminary Assessment (PA) at the Sandy Supply Company of Wooster, located in Wayne County, Ohio. The purpose of this investigation was to collect information concerning present conditions at the Sandy Supply Company sufficient to assess the threat posed to human health and the environment, and to determine the need for additional CERCLA/SARA or other appropriate action. The scope of the investigation included review of available file information and a comprehensive target survey.

## **2. SITE LOCATION, DESCRIPTION, AND WASTE CHARACTERISTICS**

### **2.1 Location**

The Sandy Supply Company is located at 636 Kemrow Avenue, Wooster, Wayne County, Ohio. The property is approximately 15 acres in area and is situated immediately adjacent to the north side of State Route 30 (Figure 1). The geographic coordinates of the site are 40°43'28" North latitude and 81°57'05" West longitude. From Interstate 77, take State Route 30 into Wooster. The site is immediately to the north on Kemrow Ave.

### **2.2 Site Description, Operational History, and Waste Characteristics**

The property currently occupied by Sandy Supply has been operated as an industrial facility since at least 1962. A variety of companies have occupied the site in the past, including Armetco, Astro Metallurgical and United Titanium. These companies all operated various types of wire drawing operations on the site. Solvents, including trichloroethene (TCE), are commonly used in these types of operations. Interviews with former and current Armetco and Astro Metallurgical employees have found that disposal of solvents and other wastes occurred in an unlined pond behind the production building.

In the Fall of 1990, during a routine underground storage tank (UST) removal, Sandy Supply discovered benzene, toluene, ethylbenzene, and xylene (BTEX) contamination on site. During subsequent sampling to determine if any of the BTEX components reached groundwater, a high level of TCE, in addition to other solvents, was discovered. The contamination was reported to the Ohio EPA on October 10, 1991. Further groundwater sampling by Sandy Supply has indicated significant amounts of TCE, cis-1,2-dichloroethane (DCE), and vinyl chloride on site.

### 2.3 Discovery and Removal Actions

As previously stated, on October 10, 1991, the Sandy Supply Company notified the Ohio EPA of the presence of TCE in on-site groundwater. Subsequent to this notification, Sandy Supply installed monitoring wells on site to determine the extent of contamination. The oversight of installation of these wells and review of the quality assurance for samples was not performed by the Ohio EPA. Contaminants found in on-site groundwater includes TCE, cis-1,2-DCE, p-dichlorobenzene, vinyl chloride, 1,1-dichloroethane (DCA), 1,1,1-trichloroethane (TCA), and 1,1-DCE.

## 3. GROUND WATER PATHWAY

### 3.1 Hydrogeologic Setting

The Sandy Supply Company of Wooster is located on one of the best aquifers in Wayne County, according to the Ohio Department of Natural Resources Ground-Water Resources map of Wayne County. Permeable sand and gravel deposits exist in a deep buried valley formation. Wells developed in this area are capable of producing 500 to 1000 gallons of water per minute (gpm) at depths of 100 to 200 feet.

Permeabilities of the soil at the site are unknown, and are therefore assumed to fall within characteristic permeabilities for the different soil types. On-site testing has shown evidence of ground water contamination (Sandy Supply sampling events performed from 1990-1992). Wooster North and South Well fields are located approximately one mile and one half mile from the site respectively. TCE has been found off-site in the ground water that is currently migrating towards the Wooster North and South Well fields. This off-site contamination has other potential sources in addition to the Sandy Supply site.

### 3.2 Ground Water Targets

The Wooster North and South Well fields provide the City of Wooster's drinking water. The draw from these well fields are continuously changing, therefore the blending from each field is considered to be 50%. The population of the City of Wooster, according to the 1990 Census Report, shows the population for the city to be 22,191 people. For Preliminary Assessment Scoring purposes the entire population is considered to be a primary target since both well fields are potentially threatened.

### 3.3 Ground Water Conclusions

Sampling concludes that there is a release to the ground water pathway. The proximity of this site to the Wooster water supply makes this the most important pathway of concern. For the purposes of PA scoring, the entire population of Wooster is considered the primary target.

## 4. SURFACE WATER PATHWAY

### 4.1 Hydrologic Setting

Sandy Supply is located next to Christmas Run, a small tributary of the Killbuck Creek. Sandy Supply's run-off goes directly into Christmas Run. The historical lagoon is located directly adjacent to Christmas Run and is prone to flooding.

### 4.2 Surface Water Targets

There are no drinking water intakes located within 15 miles downstream of the site. The area residents are served by a municipal water supply from the city of Wooster. There is a sensitive environment, the Killbuck Marsh, approximately 5 miles down stream from the Sandy Supply property. The Killbuck Creek is also used as a recreational fishery.

### 4.3 Surface Water Conclusions

Since the former lagoon area is prone to flooding, the possibility of a release to surface water exists. A release could potentially impact the Killbuck Creek and Marsh.

## 5. SOIL EXPOSURE AND AIR PATHWAYS

### 5.1 Physical Conditions

The underlying soil at the site consists of the following:

Fill Material	0-9	Feet
Clay	9-25	Feet
Brown Sand	25-38	Feet
Sand + Gravel	38-42	Feet
Gray Muck	42-48	Feet
Brown Sand + Gravel	48-50	Feet
Grey Gravel	50-52	Feet

This data for the soil was taken from well log of a well drilled April 13, 1970. The water level for the well was found at 17 feet. The permeabilities of the fill material or any other soil type has not been specifically calculated. There has been historical on site dumping of the waste products listed above into an evaporation lagoon.

### 5.2 Soil and Air Targets

The only potential targets of the Soil Pathway are those employees that work on site. The population within 1/4 mile of the site is only considered a secondary target for the purposes of PA scoring.

### 5.3 Soil Exposure and Air Pathway Conclusions

Historical records indicate the dumping of TCE and other products into an on-site evaporation lagoon. It is highly probable that soil contamination exists on the Sandy Supply property due to this practice. Since the main pollutant (TCE) is volatile, there may be a slight potential for exposure for the surrounding population. The potential of this pathway, however, is minimal because the lagoon has been filled.

## 6. SUMMARY AND CONCLUSIONS

The Sandy Supply Company of Wooster, located in Wayne County, Ohio has had a history of industrial processes and poor waste disposal practices. On- and off-site sampling have shown elevated levels of TCE, BTEX constituents, as well as other parameters. Due to the close

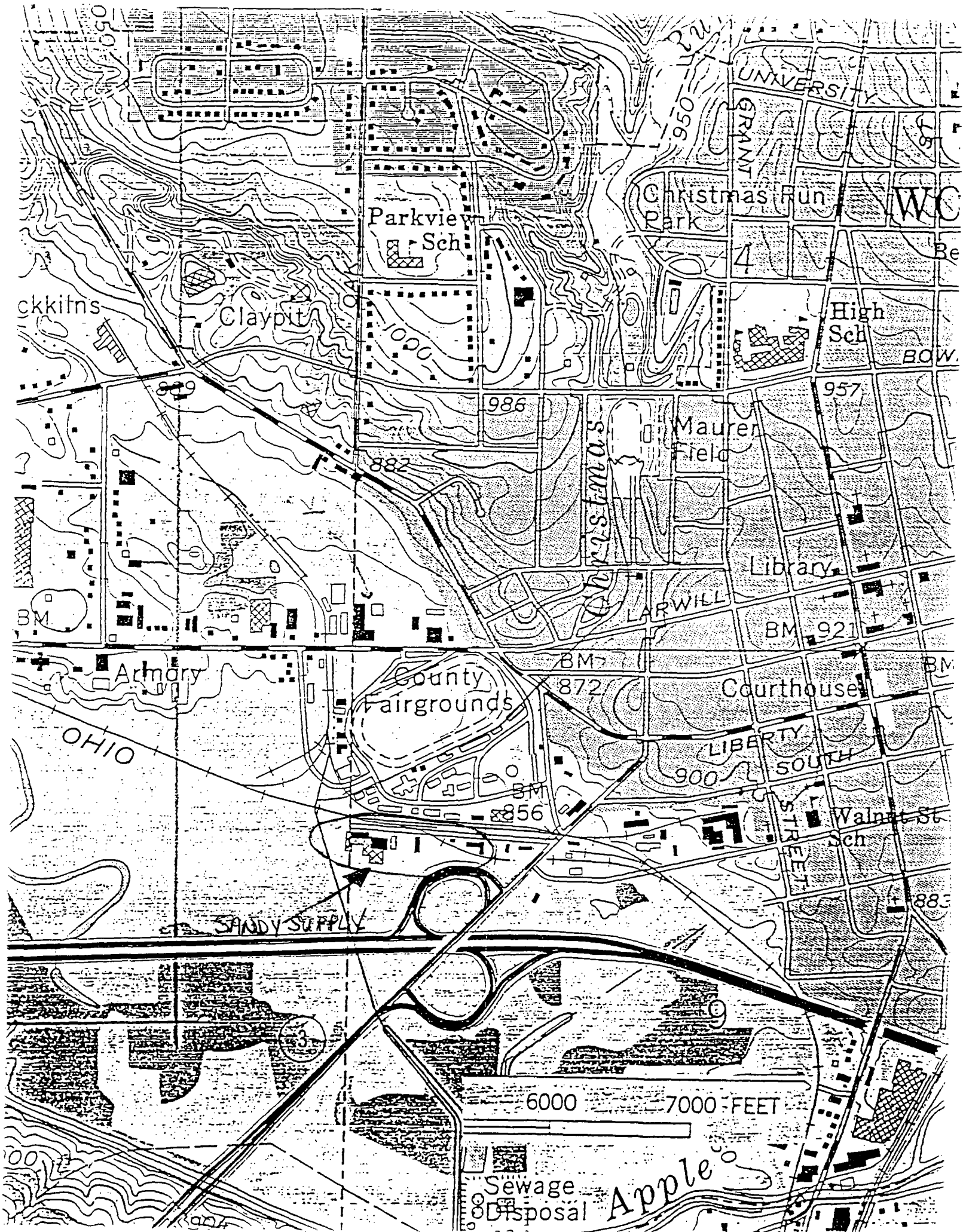
Preliminary Assessment  
The Sandy Supply Company of Wooster  
September 29, 1993

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proximity of this site to the Wooster North and South well fields, and the high mobility of the contaminants in ground water, the ground water pathway is of primary concern. It is the opinion of this evaluator that the Sandy Supply Company of Wooster be recommended as a high priority candidate for a Site Inspection (SI) to be conducted under CERCLA/SARA or other action.







PA-Score 2.0 Scoresheets  
The Sandy Supply Company of Wooster - 09/29/93

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OMB Approval Number: 2050-0095  
Approved for Use Through: 4/95

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM				IDENTIFICATION	
				State: OH	CERCLIS Number: Non-Cerclis
				CERCLIS Discovery Date:	
1. General Site Information					
Name: The Sandy Supply Company of Wooster			Street Address: 636 Kemrow Ave.		
City: Wooster	State: OH	Zip Code: 44691	County: Wayne	Co. Code: 169	Cong. Dist.: 16
Latitude: 40 43' 28.0"	Longitude: 81 57' 5.0"	Approx. Area of Site: 15 acres	Status of Site: Active		
2. Owner/Operator Information					
Owner: The Sandy Supply Company of Wooster			Operator:		
Street Address: 636 Kemrow Ave.			Street Address:		
City: Wooster			City:		
State: OH	Zip Code: 44691	Telephone:	State:	Zip Code:	Telephone:
Type of Ownership: Private			How Initially Identified: Incidental		

PA-Score 2.0 Scoresheets  
The Sandy Supply Company of Wooster - 09/29/93

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM		IDENTIFICATION	
		State: OH	CERCLIS Number: Non-Cerclis
		CERCLIS Discovery Date:	
3. Site Evaluator Information			
Name of Evaluator: Teri Phillips		Agency/Organization: OEPA / DERR / NEDO	Date Prepared: 9/27/93
Street Address: 2110 E. Aurora Rd.		City: Twinsburg	State: OH
Name of EPA or State Agency Contact: Teri Phillips		Telephone: (216) 963-1200	
Street Address: 2110 E. Aurora Rd.		City: Twinsburg	State: OH
4. Site Disposition (for EPA use only)			
Emergency Response/Removal Assessment Recommendation: No  Date:	CERCLIS Recommendation: Higher Priority SI  Date: 9/28/93	Signature:  Name: Teri Phillips Position: Site Coordinator	

PA-Score 2.0 Scoresheets  
The Sandy Supply Company of Wooster - 09/29/93

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POTENTIAL HAZARDOUS

WASTE SITE

PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State: OH CERCLIS Number:  
Non-Cerclis

CERCLIS Discovery Date:

5. General Site Characteristics

Predominant Land Uses Within  
1 Mile of Site:  
Industrial  
Commercial  
Residential

Site Setting:  
Urban

Years of Operation:  
Beginning Year: 1962  
Ending Year: 1994

Type of Site Operations:  
Manufacturing  
Metal Forging, Stamping

Waste Generated:  
Onsite  
Waste Deposition Authorized  
By: Former Owner  
Waste Accessible to the Public  
No  
Distance to Nearest Dwelling,  
School, or Workplace:  
50 Feet

6. Waste Characteristics Information

Source Type Quantity Tier  
Surface impoundment 1.92e+02 sq ft A

General Types of Waste:  
Organics  
Acids/Bases

Physical State of Waste as Deposited  
Liquid

Tier Legend  
C = Constituent W = Wastestream  
V = Volume A = Area

**PA-Score 2.0 Scoresheets**  
**The Sandy Supply Company of Wooster - 09/29/93**

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POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM		IDENTIFICATION <hr/> State: OH      CERCLIS Number: Non-Cerclis <hr/> CERCLIS Discovery Date:	
7. Ground Water Pathway			
Is Ground Water Used for Drinking Water Within 4 Miles: Yes	Is There a Suspected Release to Ground Water: Yes	List Secondary Target Population Served by Ground Water Withdrawn From:	
Type of Ground Water Wells Within 4 Miles: Municipal	Have Primary Target Drinking Water Wells Been Identified: Yes	0 - 1/4 Mile	0
		>1/4 - 1/2 Mile	0
		>1/2 - 1 Mile	0
Depth to Shallowest Aquifer: 8 Feet	Primary Target Population: 22190	>1 - 2 Miles	0
		>2 - 3 Miles	0
Karst Terrain/Aquifer Present: No	Nearest Designated Wellhead Protection Area: None within 4 Miles	>3 - 4 Miles	0
		Total	0

POTENTIAL HAZARDOUS

WASTE SITE

PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State: OH CERCLIS Number:  
Non-Cerclis

CERCLIS Discovery Date:

8. Surface Water Pathway

Part 1 of 4

Type of Surface Water Draining  
Site and 15 Miles Downstream:  
Stream

Shortest Overland Distance From Any  
Source to Surface Water:

300 Feet  
0.1 Miles

Is there a Suspected Release to  
Surface Water: Yes

Site is Located in:  
Annual - 10 yr floodplain

8. Surface Water Pathway

Part 2 of 4

Drinking Water Intakes Along the Surface Water Migration Path: No

Have Primary Target Drinking Water Intakes Been Identified: No

Secondary Target Drinking Water Intakes:  
None

POTENTIAL HAZARDOUS

WASTE SITE

PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State: OH CERCLIS Number:  
Non-Cerclis

CERCLIS Discovery Date:

8. Surface Water Pathway

Part 3 of 4

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: Yes

Secondary Target Fisheries:

Fishery Name Water Body Type/Flow(cfs)  
KILLBUCK CREEK small-moderate stream/ 10-100

8. Surface Water Pathway

Part 4 of 4

Wetlands Located Along the Surface Water Migration Path? (y/n) Yes

Have Primary Target Wetlands Been Identified? (y/n) Yes

Secondary Target Wetlands:

None

Other Sensitive Environments Along the Surface Water Migration Path: Yes

Have Primary Target Sensitive Environments Been Identified: Yes

Secondary Target Sensitive Environments:

None



POTENTIAL HAZARDOUS

WASTE SITE

PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State: OH CERCLIS Number:  
Non-Cerclis

CERCLIS Discovery Date:

9. Soil Exposure Pathway

Are People Occupying Residences or  
Attending School or Daycare on or  
Within 200 Feet of Areas of Known  
or Suspected Contamination: No

Number of Workers Onsite: 1 - 100

Have Terrestrial Sensitive Environments Been Identified on or Within  
200 Feet of Areas of Known or Suspected Contamination: No

10. Air Pathway

Total Population on or Within:	
Onsite	10
0 - 1/4 Mile	46
>1/4 - 1/2 Mile	379
>1/2 - 1 Mile	1524
>1 - 2 Miles	10214
>2 - 3 Miles	6261
>3 - 4 Miles	5145
Total	23579

Is There a Suspected Release to Air: No

Wetlands Located

Within 4 Miles of the Site: No

Other Sensitive Environments Located

Within 4 Miles of the Site: No

Sensitive Environments Within 1/2 Mile of the Site:

None